



SEQUENCE LISTING

<110> de Belle, Ian
Adamson, Eileen
Mercola, Dan

<120> Isolation and Identification of Control Sequences and
Genes Modulated by Transcription Factors

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<170> PatentIn Ver. 2.0

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ggc tgg tgc ccc ctg gga cca cag tgt cct cag tct cac gat att gac 1106

Gly Trp Cys Pro Leu Gly Pro Gln Cys Pro Gln Ser His Asp Ile Asp

35 40 45

cct atc att gac act gat gag gct gcg gca gag gac aag cgg cga cgg 1154

Pro Ile Ile Asp Thr Asp Glu Ala Ala Glu Asp Lys Arg Arg Arg

50 55 60

cga cga cgt agg gaa aaa cgg aag agg gct tta ttg aac cta ccg ggg 1202

Arg Arg Arg Arg Glu Lys Arg Lys Arg Ala Leu Leu Asn Leu Pro Gly

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aca cag acc tct ggg gaa gct aag gat ggt cct ccc aag aag cag gtc 1250

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Cys Gly Asp Ser Ile Lys Pro Glu Glu Thr Glu Gln Glu Val Ala Ala

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gat gaa act agg aac ctg cct cac tcc aag caa ggc aac aaa aat gac 1346

Asp Glu Thr Arg Asn Leu Pro His Ser Lys Gln Gly Asn Lys Asn Asp

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tta gag atg ggg att aag gca gca agg cct gaa ata gct gat aga gct 1394

Leu Glu Met Gly Ile Lys Ala Ala Arg Pro Glu Ile Ala Asp Arg Ala

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Thr Ser Glu Val Pro Gly Ser Gln Ala Ser Pro Asn Pro Val Pro Gly

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ggg gga ttg cac cgg gct ggt ttt gat gcc ttt atg aca ggt tat gtg 1490

Gly Gly Leu His Arg Ala Gly Phe Asp Ala Phe Met Thr Gly Tyr Val

160 165 170

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Met Ala Tyr Val Glu Val Ser Gln Gly Pro Gln Pro Cys Ser Ser Gly

175 180 185 190

ccc tgg ctc cct gaa tgc cac aat aag gta tat ttg agt ggc aaa gct 1586

Pro Trp Leu Pro Glu Cys His Asn Lys Val Tyr Leu Ser Gly Lys Ala

195 200 205

gta ccc ctc aca gtg gcc aag agc cag ttc tct cgt tcc tcc aaa gcc 1634

Val Pro Leu Thr Val Ala Lys Ser Gln Phe Ser Arg Ser Ser Lys Ala

210 215 220

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His Asn Gln Lys Met Lys Leu Thr Trp Gly Ser Ser

225 230 235

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35 40 45

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50 55 60

Arg Arg Glu Lys Arg Lys Arg Ala Leu Leu Asn Leu Pro Gly Thr Gln

65 70 75 80

Thr Ser Gly Glu Ala Lys Asp Gly Pro Pro Lys Lys Gln Val Cys Gly

85 90 95

Asp Ser Ile Lys Pro Glu Glu Thr Glu Gln Glu Val Ala Ala Asp Glu

100 105 110

Thr Arg Asn Leu Pro His Ser Lys Gln Gly Asn Lys Asn Asp Leu Glu

115 120 125

Met Gly Ile Lys Ala Ala Arg Pro Glu Ile Ala Asp Arg Ala Thr Ser

130 135 140

Glu Val Pro Gly Ser Gln Ala Ser Pro Asn Pro Val Pro Gly Gly Gly

145 150 155 160

Leu His Arg Ala Gly Phe Asp Ala Phe Met Thr Gly Tyr Val Met Ala

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Tyr Val Glu Val Ser Gln Gly Pro Gln Pro Cys Ser Ser Gly Pro Trp

180 185 190

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 ggagatattt tacaatttc atattaacgt ttccaattct ggtgtgaatt ttactcac 240
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gctattatgt ccaaaatgc agctctangg atgaggacag ttacagaag atacttgag 60
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 aagaaaaaag anggaggctg ttgtancata aaatacttag ggacatacaa taaaaacagt 240
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 35 40 45
 Pro Ser Leu Leu Ala Ile Lys Thr Ala Asn Phe Val Ala Val Asp Thr
 50 55 60
 Glu Leu Ser Gly Leu Gly Asp Arg Lys Ser Leu Leu Asn Gln Cys Ile
 65 70 75 80
 Glu Glu Arg Tyr Lys Ala Val Cys His Ala Ala Arg Thr Arg Ser Ile
 85 90 95
 Leu Ser Leu Gly Leu Ala Cys Phe Lys Arg Gln Pro Asp Lys Gly Glu
 100 105 110
 His Ser Tyr Leu Ala Gln Val Phe Asn Leu Thr Leu Leu Cys Met Glu
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 Glu Tyr Val Ile Glu Pro Lys Ser Val Gln Phe Leu Ile Gln His Gly
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 Asn Asp Lys Gly Asp Glu Ser Gln Ser Gln Ser Val Arg Thr Leu Phe
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 Leu Glu Leu Ile Arg Ala Arg Arg Pro Leu Val Leu His Asn Gly Leu
 180 185 190
 Ile Asp Leu Val Phe Leu Tyr Gln Asn Phe Tyr Ala His Leu Pro Glu
 195 200 205
 Ser Leu Gly Thr Phe Thr Ala Asp Leu Cys Glu Met Phe Pro Ala Gly
 210 215 220
 Ile Tyr Asp Thr Lys Tyr Ala Ala Glu Phe His Ala Arg Phe Val Ala
 225 230 235 240
 Ser Tyr Leu Glu Tyr Ala Phe Arg Lys Cys Glu Arg Glu Asn Gly Lys
 245 250 255
 Gln Arg Ala Ala Gly Ser Pro His Leu Thr Leu Glu Phe Cys Asn Tyr
 260 265 270
 Pro Ser Ser Met Arg Asp His Ile Asp Tyr Arg Cys Cys Leu Pro Pro
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 Ala Thr His Arg Pro His Pro Thr Ser Ile Cys Asp Asn Phe Ser Ala

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Arg Arg Arg Arg Arg Glu Lys Arg Lys Arg Ala Leu Leu Asn Leu Pro			
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Gly Thr Gln Thr Ser Gly Glu Ala Lys Asp Gly Pro Pro Lys Lys Gln			
	355	360	365
Val Cys Gly Asp Ser Ile Lys Pro Glu Glu Thr Glu Gln Glu Val Ala			
	370	375	380
Ala Asp Glu Thr Arg Asn Leu Pro His Ser Lys Gln Gly Asn Lys Asn			
385	390	395	400
Asp Leu Glu Met Gly Ile Lys Ala Ala Arg Pro Glu Ile Ala Asp Arg			
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Gly Gly Gly Leu His Arg Ala Gly Phe Asp Ala Phe Met Thr Gly Tyr			
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Val Met Ala Tyr Val Glu Val Ser Gln Gly Pro Gln Pro Cys Ser Ser			
	450	455	460
Gly Pro Trp Leu Pro Glu Cys His Asn Lys Val Tyr Leu Ser Gly Lys			
465	470	475	480
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